## **Claims**

- [c1] What is claimed is:
  - 1.A method of producing a touch panel comprising: providing a display panel which comprises a pixel region and a controlling circuit region;

forming a plurality of pixels arranged in an array in the pixel region for displaying images;

forming a plurality of fluorescent patterns not overlapping the pixels in the pixel region for designating coordinates of the pixel region; and

providing an input device for inputting data, the input device comprising:

a light emitting element for revealing the fluorescent patterns; and

a light sensor for detecting the fluorescent patterns.

- [c2] 2.The method of claim 1, wherein the light emitting element is capable of generating a light with a specific wavelength for revealing the fluorescent patterns, and the light sensor is capable of identifying coordinates of the fluorescent patterns and generating corresponding signals.
- [03] 3.The method of claim 1, wherein the fluorescent pat-

- terns are composed of fluorescent inks comprising anthracene or aromatic compounds.
- [c4] 4.The method of claim 1, wherein the fluorescent patterns are formed by halftone printing or ink jet printing.
- [c5] 5.The method of claim 1, wherein forming the fluorescent patterns further comprises:
  forming a photosensitive film on the display panel;
  performing an exposure process by a mask; and
  performing a development process to form a plurality of
  fluorescent patterns not overlapping the pixels;
  wherein the photosensitive film is a photosensitive ink,
  and the photosensitive film is formed by spin coating or
  blade coating.
- [06] 6.The method of claim 1, wherein the display panel is an LCD panel, and the fluorescent patterns are formed on a top substrate surface of the LCD panel or between the top substrate and a black matrix layer.
- [c7] 7.The method of claim 1, wherein the display is a top emission OLED display panel having a glass container, and the fluorescent patterns are positioned on a top surface of the glass container or on a bottom surface of the glass container.
- [08] 8. The method of claim 1, wherein the display panel is a

bottom emission OLED display panel having a bottom substrate and a plurality of thin film transistors, and the fluorescent patterns are positioned on a bottom surface of the bottom substrate or between the bottom substrate and the thin film transistors.

- [c9] 9.The method of claim 1, wherein the controlling circuit region further comprises a controlling circuit for driving the pixels, and the touch panel further comprises a processor for receiving the signals from the light sensor and driving the controlling circuit to display tracks of the input device.
- [c10] 10.A method of producing a touch panel comprising: providing a display panel which comprises a pixel region and a controlling circuit region; forming a plurality of pixels arranged in an array in the pixel region for displaying images; forming a plurality of magnetic patterns not overlapping the pixels in the pixel region for designating coordinates of the pixel region; and providing an input device for inputting data, the input device comprising a magnetic sensor for detecting and the magnetic patterns.
- [c11] 11.The method of claim 10, wherein the magnetic patterns are formed by halftone printing or ink jet printing.

- [c12] 12. The method of claim 10, wherein the method of forming the magnetic patterns further comprises: forming a photosensitive film on the display panel; performing an exposure process by a mask; and performing a development process to form a plurality of magnetic patterns not overlapping the pixels; wherein the photosensitive film is a photosensitive magnetic ink, and the photosensitive film is formed by spin coating or blade coating.
- [c13] 13. The method of claim 10, wherein the display panel is an LCD panel, and the magnetic patterns are formed on a top substrate surface of the LCD panel or between the top substrate and a black matrix layer.
- [c14] 14. The method of claim 10, wherein the display is a top emission OLED display panel having a glass container, and the magnetic patterns are positioned on a top surface of the glass container or on a bottom surface of the glass container.
- [c15] 15.The method of claim 10, wherein the display panel is a bottom emission OLED display panel having a bottom substrate and a plurality of thin film transistors, and the magnetic patterns are positioned on a bottom surface of the bottom substrate or between the bottom substrate

and the thin film transistors.

[c16] 16.The method of claim 10, wherein the controlling circuit region further comprises a controlling circuit for driving the pixels, and the touch panel further comprises a processor for receiving the signals from the sensor and driving the controlling circuit to display tracks of the input device.